VOLVO CONSTRUCTION EQUIPMENT

INSTALLATION INSTRUCTION

Ref no.: PUB-B GB	Operation no.: 256-011	Issuer: ART	Date: 2018-03-02
Kit no.: VOE15021070	Option no.: 81422		
Profile: A40E FS Volvo, A40E Volvo			

Air cleaner, installing

NOTICE

Within this Installation Instruction some articles have alternative part numbers stated! Older articles that include hexavalent chromium ($Cr6^+$) have been replaced with new articles that do not.

Total procedure time (hr): 3.50

Foreword

Read and understand the safety instructions in the Operator's Manual and Service Information for the machine.

The equipment must be assembled by an authorized person at an authorized workshop.

The Installation Instruction is based on the use of special tools, E-tools and standard tools generally available.

Regarding bolted joints which are not listed here, see "Volvo standard tightening torques".

Volvo Construction Equipment AB, will accept no responsibility if other tools or work methods than those described in this publication are used.

Volvo works with continuous improvement of the machine's environmental performance.

Kit list

Part no.	Qty.	Description	Position in fig. 13 and 14
11110614	2	Oil bath air cleaner	1
11110260	2	Cover	2
15017649	1	Bracket	3
15008981	1	Bracket	4
15043520	2	Anchorage	5
15043657	4	Brace	6
11192753	1	Plate	7
15009218	2	Plate	8
965179	8	Flange screw	9
948645/990950	19	Flange lock nut	10
11117464/60114321	16	Washer	11
946671/984736	8	Flange screw	12

946472/990861	8	Flange screw	13
971098	18	Flange lock nut	14
960143	16	Washer	15
965185	2	Flange screw	16
960143	10	Washer	17
946472/990861	8	Flange screw	18
948087	6	Washer	19
15009273	1	Bracket	20
945444	1	Flange screw	21
11193741	1	Plug	23
11192152	1	Bracket	24
947760	2	Flange screw	25
15047291	1	Hose	26
15063876	1	Pipe	29
11192141	1	Vent hose	30
11191149	2	Hose clamp	31
11191151	4	Hose clamp	33
15017614	1	Hose	34
15061969	1	Hose	35
11191148	3	Hose clamp	37
11302567	1	Tube	38
4861702	1	Retaining strap	39
20565673	1	Vacuum switch	40
4821292	1	Cable tie	41
	18 litres	Engine oil	42
11055612/60113882	16	Washer	43
980614	1	Clamp	44

1. Park the machine in service position on a firm and level surface.
2. Lower the front grille and raise the hood.
3. Let the machine cool down.
4. Remove the two upper foot steps and the foot plate on the right-hand side.
5. Fit the bracket onto the compartment lid. Use the two existing holes in the middle of the rubber mat. Make sure the compartment is empty.

This is the sample of the manual if you need complete manual

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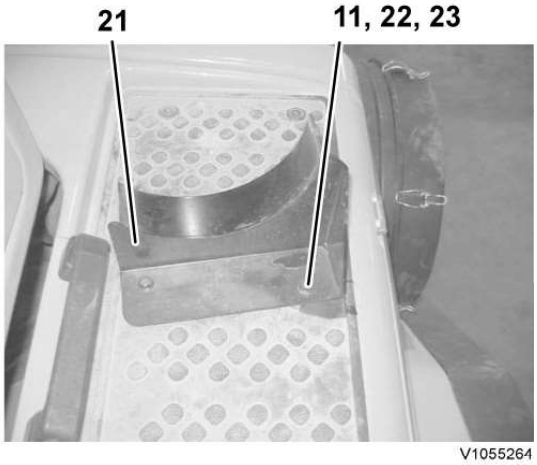

Figure 1
V1055264

Part no.	Qty.	Description	Position
11192152	1	Bracket	24
948087	2	Washer	19
948645/990950	2	Flange lock nut	10
947760	2	Flange screw	25

6. Fit the bracket for the first oil bath cleaner.

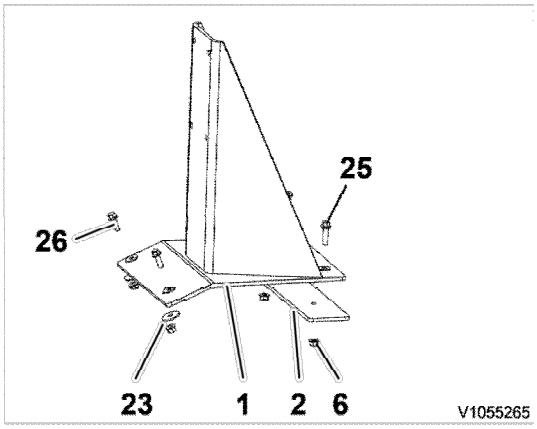

Figure 2
V1055265

Part no.	Qty.	Description	Position
15017649	1	Bracket	3
960143	4	Washer	17
948087	2	Washer	19
11192753	1	Plate	7
971098	4	Flange lock nut	14
965185	2	Flange screw	16
946472/990861	2	Flange screw	18

7. Fit the attachment and braces on the first oil bath cleaner.

Part no.	Qty.	Description	Position
11110614	1	Oil bath cleaner	1
11051515	1	Attachment	5
11052124	2	Brace	6
965182	8	Flange screw	9
948645/990950	8	Flange lock nut	10
11117464/60114321	16	Washer	11
11190217	8	Spacer sleeve	12

8. Raise the oil bath air cleaner and fit it in the bracket.

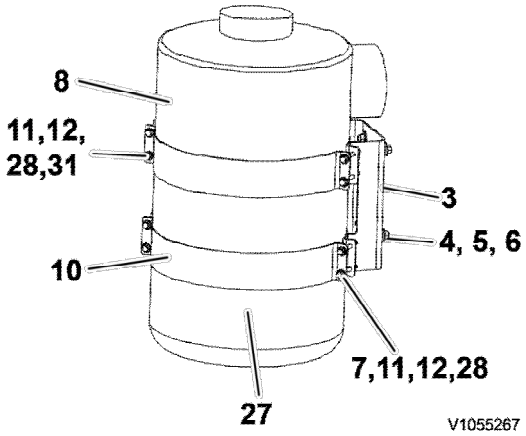

Figure 3
V1055267

Part no.	Qty.	Description	Position
946472/990861	4	Flange screw	13
971098	4	Flange lock nut	14
960143	8	Washer	15

9. Fit hose on the oil bath air cleaner pipe and lock using hose clamp.

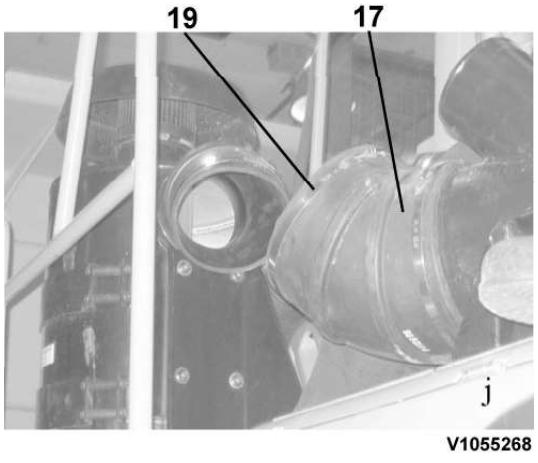

Figure 4

V1055268

Part no.	Qty.	Description	Position
11121174	1	Hose	26
11191149	1	Hose clamp	31

NOTE!
Smear petroleum jelly on the pipe ends

10. Fit the air tube on the hose using hose clamp.

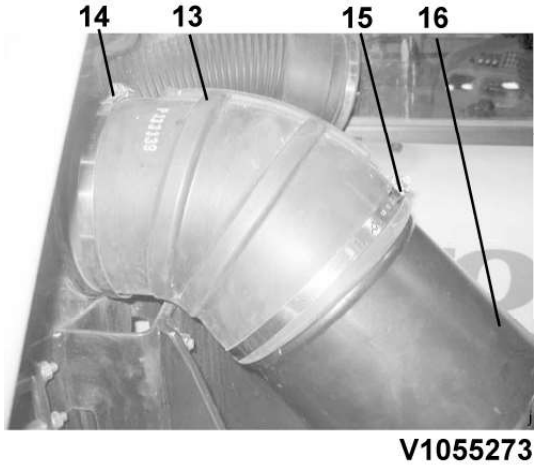

Figure 5
V1055273

Part no.	Qty.	Description	Position
11192145	1	Air tube	27
11191150	1	Hose clamp	32

11. Fit the vent hose on the air tube using hose clamp.

Part no.	Qty.	Description	Position
11192142	1	Vent hose	28
11191151	1	Hose clamp	33

12. Fit the pipe on the vent hose using hose clamps.

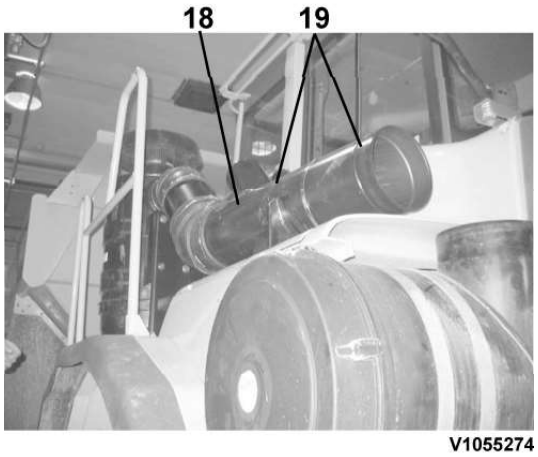

Figure 6
V1055274

Part no.	Qty.	Description	Position
15010243	1	Pipe	29
11191151	2	Hose clamp	33

13. Remove the cover from the existing air cleaner. Fit the vent hose on the pipe and on the air cleaner. Lock using hose clamps.

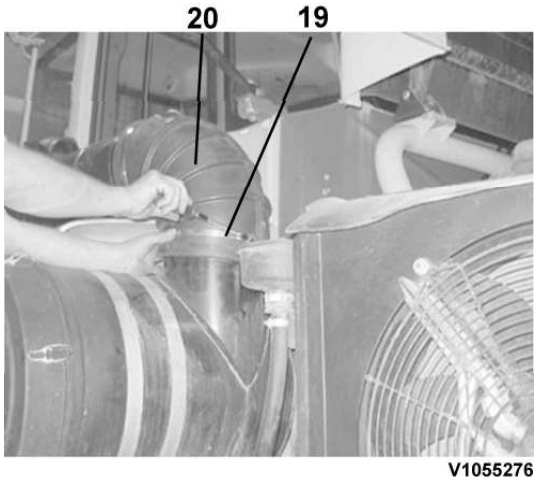

Figure 7
V1055276

Part no.	Qty.	Description	Position
11192141	1	Vent hose	30
11191151	2	Hose clamp	33

14. Fit the bracket for the second oil bath cleaner.

Figure 8
V1055309

Part no.	Qty.	Description	Position
15008981	1	Bracket	4
960143	4	Washer	17
948087	2	Washer	19
15009218	2	Plate	8
971098	6	Flange lock nut	14
946472/990861	6	Flange screw	18

15. Fit the attachment and braces on the second oil bath cleaner.

Part no.	Qty.	Description	Position
11110614	1	Oil bath cleaner	1
11051515	1	Attachment	5
11052124	2	Brace	6
965182	8	Flange screw	9
948645/990950	8	Flange lock nut	10
11117464/60114321	16	Washer	11
11190217	8	Spacer sleeve	12

16. Raise the oil bath air cleaner and fit it in the bracket.

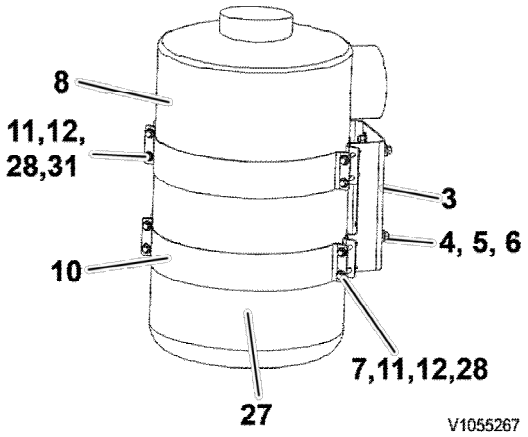

Figure 9

V1055267

Part no.	Qty.	Description	Position
946472/990861	4	Flange screw	13
971098	4	Flange lock nut	14
960143	8	Washer	15

17. Fit the elbow on the oil bath air cleaner pipe.

Figure 10
V1055313

Part no.	Qty.	Description	Position
11079636	1	Elbow	36
11191149	1	Hose clamp	31

NOTE!
Smear petroleum jelly on the pipe ends

18. Fit the next elbow with a tube insert.

Figure 11
V1055314

Part no.	Qty.	Description	Position
11141093	1	Elbow	35
11302567	1	Tube	38
11191148	2	Hose clamp	37

19. Insert the next tube and fit the hose between the elbow and the pipe. Fix with retaining strap.

Part no.	Qty.	Description	Position
15017614	1	Hose	34
11302567	1	Tube	38
11191148	3	Hose clamp	37
4861702	1	Retaining strap	39

20. Fit the vacuum switch.

Part no.	Qty.	Description	Position
20565673	1	Vacuum switch	40
4821292	1	Cable tie	41

21. Fit the new bracket and the existing rear light. Put the plug in the hole left on the inner side.

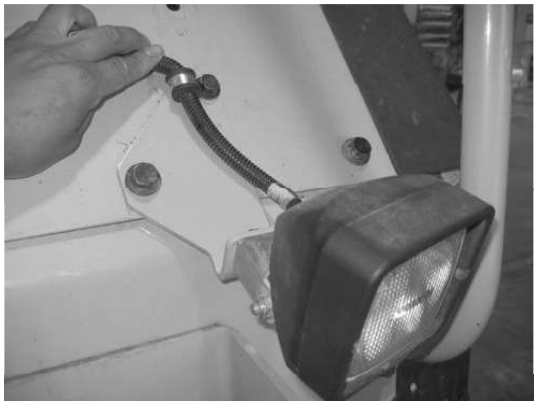

Figure 12
V1055316

Part no.	Qty.	Description	Position
15009273	1	Bracket	20
946329/984753	1	Flange screw	21
11055606/997380	1	Washer	22
971098	1	Flange lock nut	14
11193741	1	Plug	23

22. Fill 9 litres (2.4 us gal) of engine oil in each oil bath cleaner.

23. Reset the machine, lower the hood and raise the front grille.

24. Enter equipment number 81422 on the machine card.

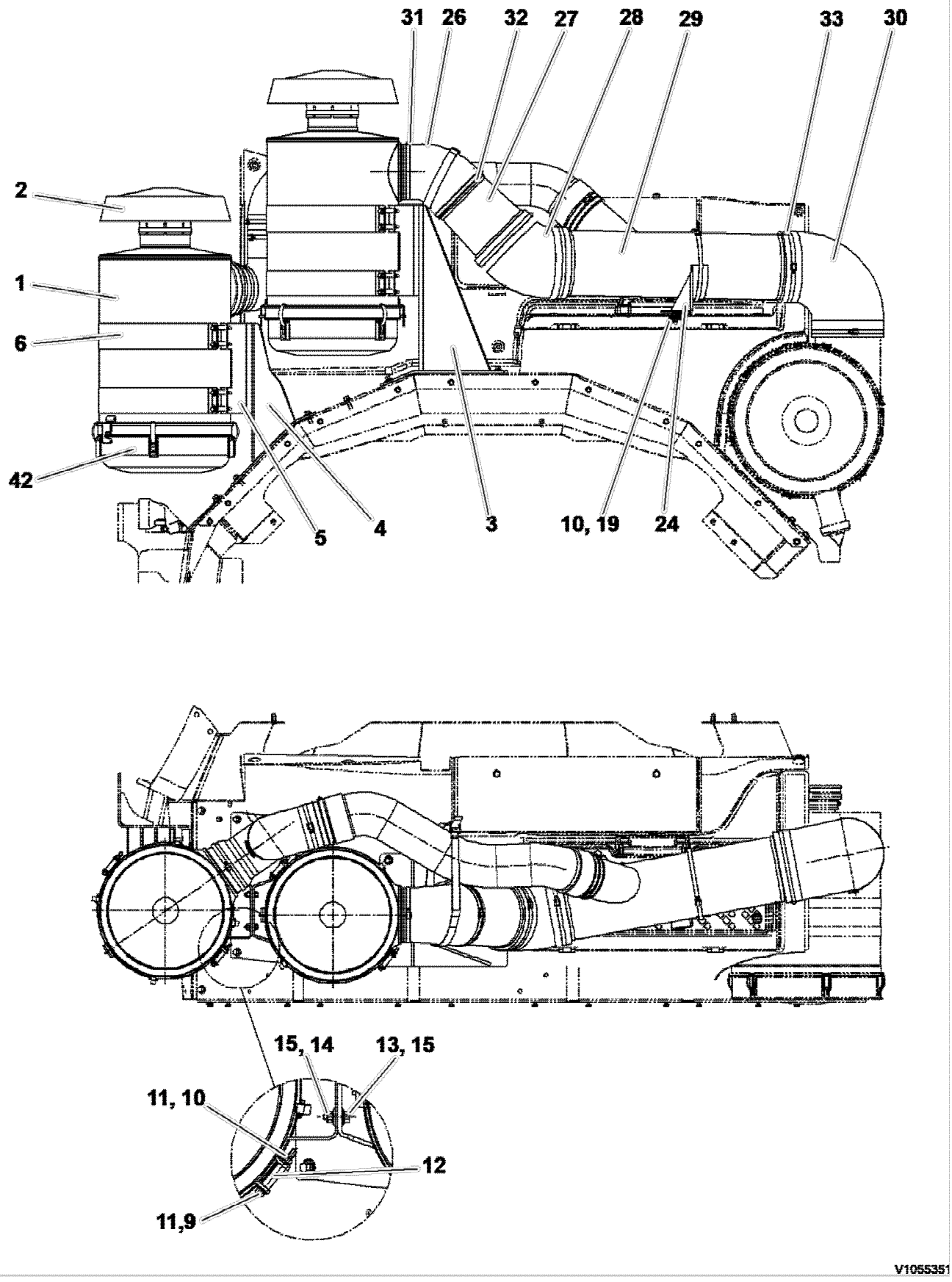
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Figure 13
V1055351

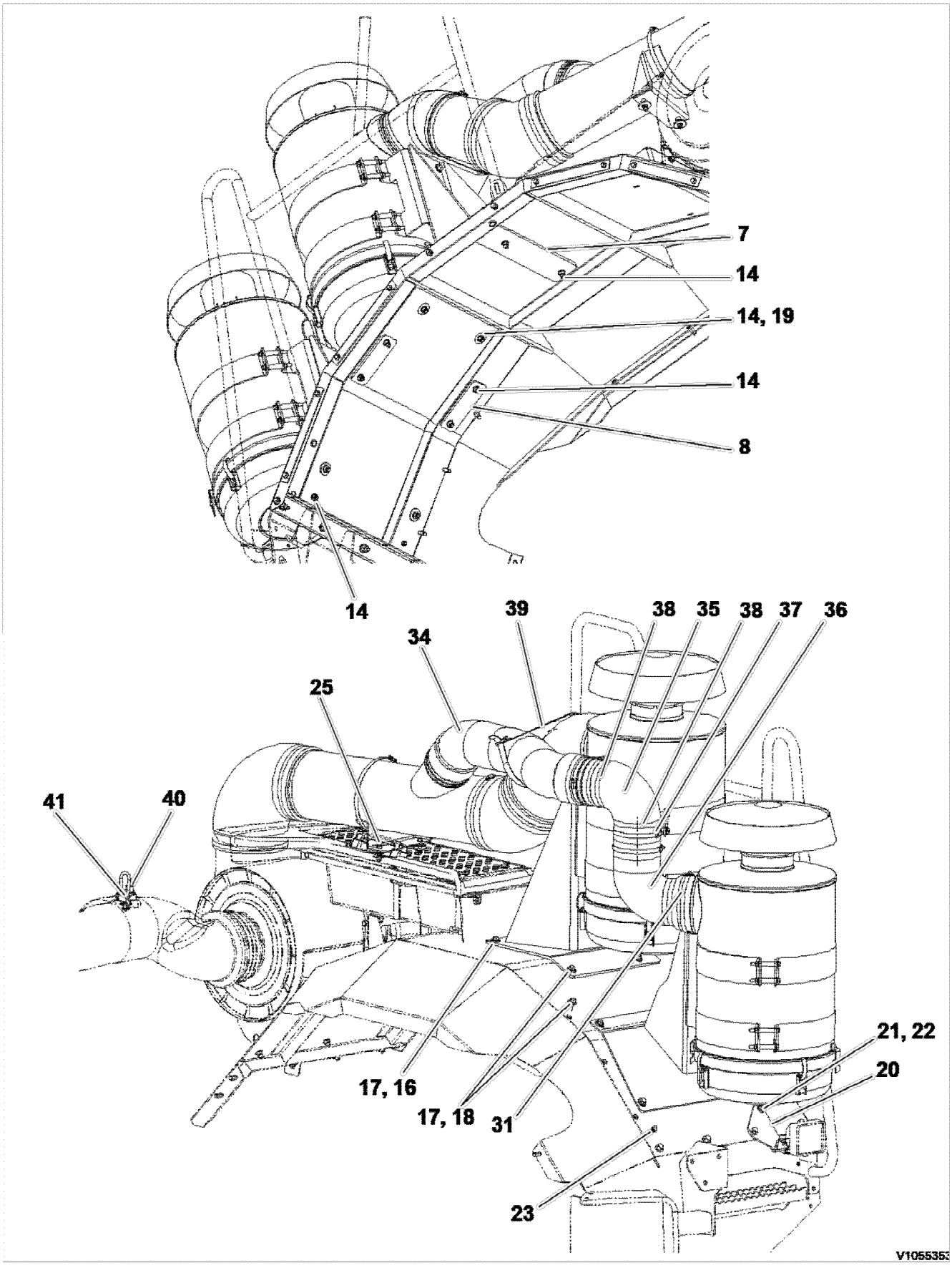
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Figure 14
V1055353

VOLVO CONSTRUCTION EQUIPMENT

INSTALLATION INSTRUCTION

Ref no.: PUB-B GB	Operation no.: 362-905	Issuer: ART	Date: 2018-03-02
Kit no.: VOE15195310	Option no.: 11371211, 81083		
Profile: A25D Volvo, A25E Volvo, A25F Volvo SN 13001-99999, A25F Volvo SN 320001-, A25G Volvo, A30D Volvo, A30E Volvo, A30F Volvo SN 12001-99999, A30F Volvo SN 320001-, A30G Volvo, A35D Volvo, A35E FS Volvo, A35E Volvo, A35F FS Volvo SN 10001-99999, A35F FS Volvo SN 320001-, A35F Volvo SN 10001-99999, A35F Volvo SN 320001-, A35G FS Volvo, A35G Volvo, A40D Volvo, A40E FS Volvo, A40E Volvo, A40F FS Volvo SN 11001-99999, A40F FS Volvo SN 320001-, A40F Volvo SN 11001-99999, A40F Volvo SN 320001-, A40G FS Volvo, A40G Volvo, A45G FS Volvo, A45G Volvo, A60H Volvo			

Back up alarm, installing new

NOTICE

Within this Installation Instruction some articles have alternative part numbers stated! Older articles that include hexavalent chromium ($Cr6^+$) have been replaced with new articles that do not.

Total procedure time (hr): 0.60

Foreword

Read and understand the safety instructions in the Operator's Manual and Service Information for the machine.

The Installation Instruction sometimes refers to information in the Operator's and Service Manual.

The equipment must be assembled by an authorized person at an authorized workshop.

The Installation Instruction is based on the use of special tools, E-tools and standard tools generally available.

Regarding bolted joints which are not listed here, see "Volvo standard tightening torques".

Volvo Construction Equipment AB, will accept no responsibility if other tools or work methods than those described in this publication are used.

Volvo works with continuous improvement of the machine's environmental performance.

Kit list

Part no.	Qty.	Designation	Position in Fig. 1
17468188	1	Back-up alarm unit	1
16834314	1	Plate	2
60113098/984756	2	Flange bolt	3
11058692	2	Spacer	4
60113168/990951	2	Flange lock nut	5
4881440	1	Cable tie	6

Tools

This is the sample of the manual if you need complete manual

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Tech Tool Service Tool

For installing this optional equipment, we do not consider that any special installation equipment is required.

1. The following is included to facilitate installation:

   - Kit list
   - Installation instructions

   NOTE!
   Before starting to work, park the machine on level ground and prepare it for service by placing it in service position according to Safety rules for service.

2. Connect Tech Tool Service Tool to the network. Select "Administer software, new", select Accessory kit (Conversion kit), and enter number 11721152.

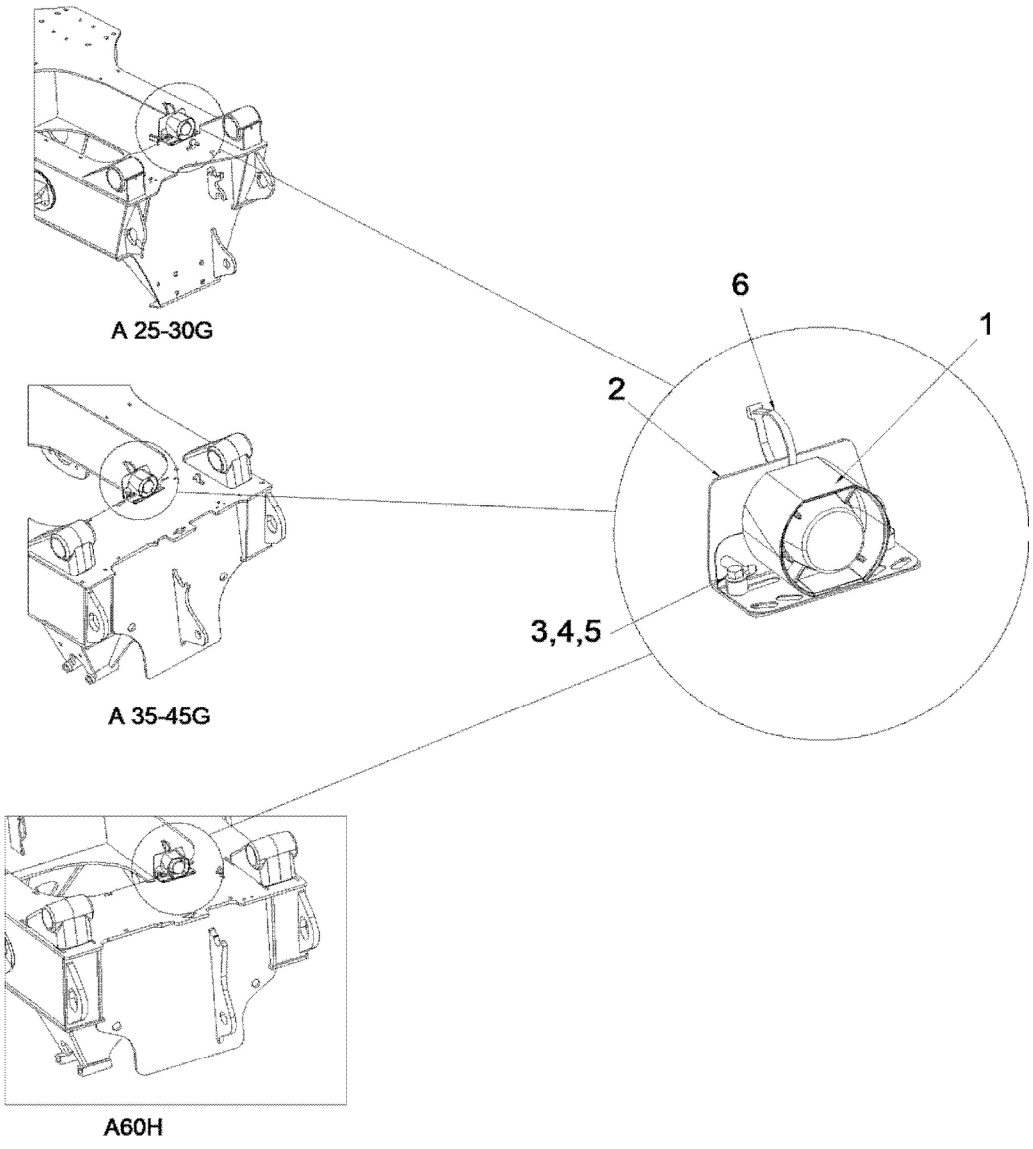

Figure 1

3. Connect Tech Tool Service Tool to the machine. Run operation 17093–3. Program with stored software. Report to the cental system.

4. Reset the machine.

VOLVO CONSTRUCTION EQUIPMENT

INSTALLATION INSTRUCTION

Ref no.: PUB-B GB	Operation no.: 951-901	Issuer: ART	Date: 2018-03-02
Kit no.: VOE15020575	Option no.: 81332		
Profile: A40E FS Volvo, A40E Volvo			

Body heating, installing new

NOTICE

Within this Installation Instruction some articles have alternative part numbers stated! Older articles that include hexavalent chromium ($Cr6^+$) have been replaced with new articles that do not.

Total procedure time (hr): 3.00

Foreword

Read and understand the safety instructions in the Operator's Manual and Service Information for the machine.

The equipment must be assembled by an authorized person at an authorized workshop.

The Installation Instruction is based on the use of special tools, E-tools and standard tools generally available.

Regarding bolted joints which are not listed here, see "Volvo standard tightening torques".

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Kit list

Part no.	Qty.	Designation
11052630	1	Exhaust pipe
4965132	1	Exhaust pipe
60113079/984733	3	Flange bolt
4940841	3	Washer
4940630	6	Leaf spring
11056283	1	Clamp
11050994	1	Exhaust hose
11051058	1	Pipe
11051057	1	Stay
11056142	2	Clamp
11193212	1	Guide arm
11196513	1	Exhaust pipe

11192861	1	Exhaust pipe
13971019	4	Flange bolt
976945/994849	4	Hex nut
4770880	1	Gasket
13976433	3	Flange bolt
11195796	3	Washer
13960149/60114312	3	Washer
4966259	3	Spring
11052381	3	Gasket
4965124	1	Ring
13971072/990970	3	Hex nut
4940622	12	Sleeve
4940623	6	Spring
11064911	6	Stud bolt
4881590	2	Ring
13971072/990970	3	Hex nut
60113167/990950	2	Flange lock nut
60113084/984738	2	Flange bolt
60113082/984736	8	Flange bolt
60113167/990950	8	Flange lock nut
11196515	1	Bracket
60113113	2	Flange bolt
60113588	2	Spacer tube
997409/990970	2	Flange lock nut
11052194	1	Pipe end
1589141	1	Clamp
965190	1	Flange bolt
13971098/990951	1	Flange lock nut
598110	Required	Paint protective agent
15172179	1	Protective plate

Installation

1. Service position

NOTICE

Before starting any work, park the machine on a level surface and prepare it for service by putting it into service position according to Safety rules for service.

2. Before the parts are installed, lubricate the surfaces marked A according to figure with lubricant.

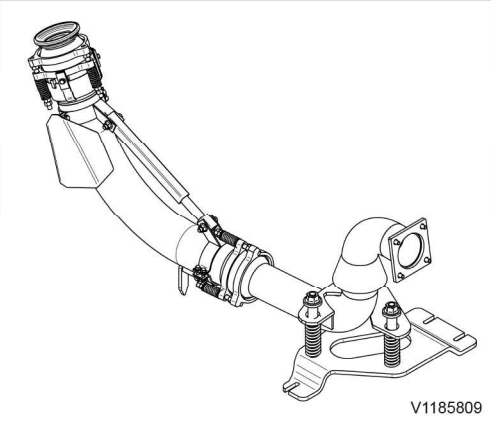

Figure 1

NOTE!
It is important that the lubricant is allowed to dry thoroughly (at least 20 min.) before the exhaust pipe and exhaust hose are assembled.

3. Remove the flange bolts on the protective plate over the parking brake, pos. 1.

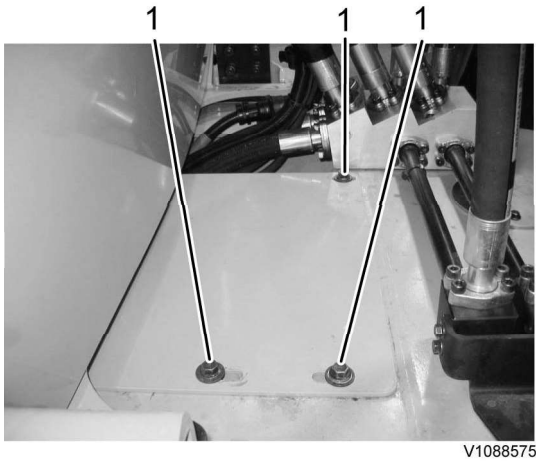

Figure 2

4. Install the plate with the flange bolts.

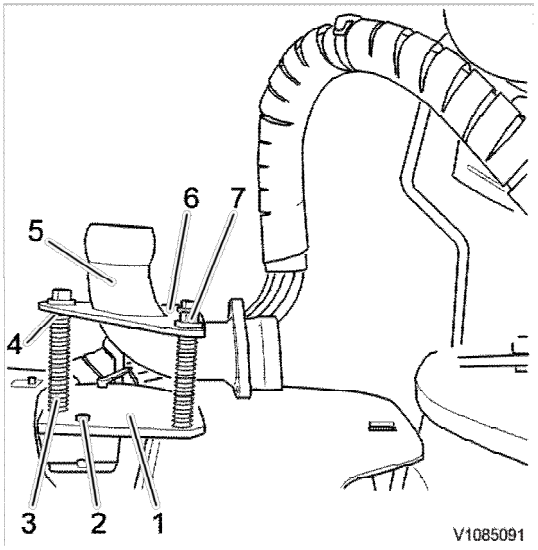

Figure 3

5. Install compression springs and washers.

6. Install the exhaust pipe on the bracket. Install washers and flange lock nuts. Do not tighten the flange nuts yet.

Part no.	Designation	Qty.	Position in Fig. 3
11196515	Bracket	1	1
4966259	Compression spring	3	3
960149	Washer	3	4
11196513	Exhaust pipe	1	5
11195796	Washer	3	6
976433	Flange nut	3	7

7. Install 3 stud bolts with nut on the existing ring for the exhaust pipe. The stud bolt should protrude max. 15 mm, see Fig. 3.

Part no.	Designation	Qty.	Position in Fig. 4
11064911	Stud bolt	3	1
971072	nut	3	2

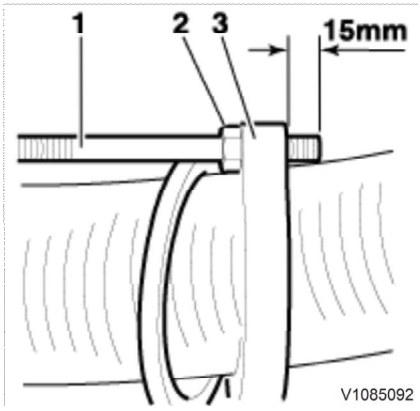

Figure 4

8. Install the gasket in the exhaust hose

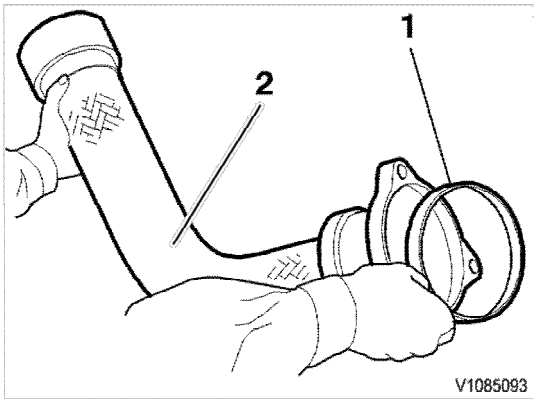

Figure 5

Part no.	Designation	Qty.	Position in Fig. 4
11052381	Gasket	1	1
11050994	Exhaust hose	1	2

9. Assemble the exhaust hose and the exhaust pipe

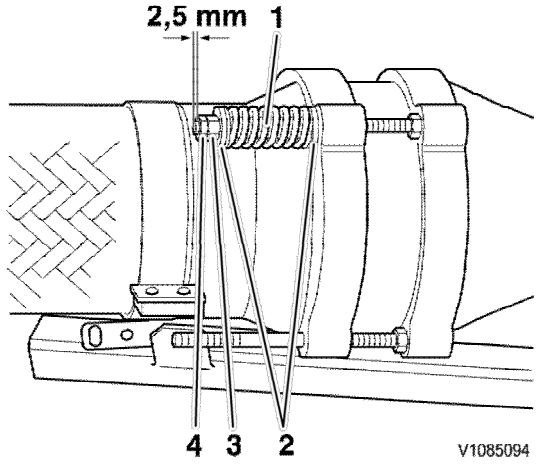

Figure 6

10. Install thrust spring, sleeves, and nuts on the stud bolt. The stud bolt should protrude 2.5 mm from the nut

Part no.	Designation	Qty.	Position in Fig 6
4940623	Compression spring	3	1
4940622	Sleeve	6	3
971072	Nut	6	4

11. Take the exhaust pipe and install both rings

Part no.	Designation	Qty.	Position in Fig. 7
4965132	Exhaust pipe	1	1
4881590	Ring	2	2

12. Take the ring and exhaust pipe, and install a gasket in the ring and one in the exhaust pipe.

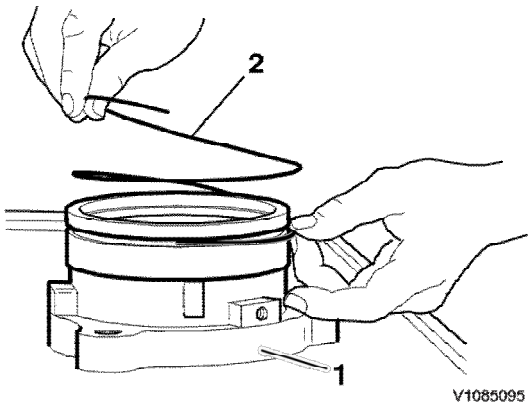

Figure 7

13. Install the stud bolts with nuts in the ring.

Part no.	Designation	Qty.	Position in Fig. 8
4965124	Ring	1	1
11052381	Gasket	2	2
11064911	Stud bolt	3	3
971072	Nut	3	4
4465132	Exhaust pipe	1	5

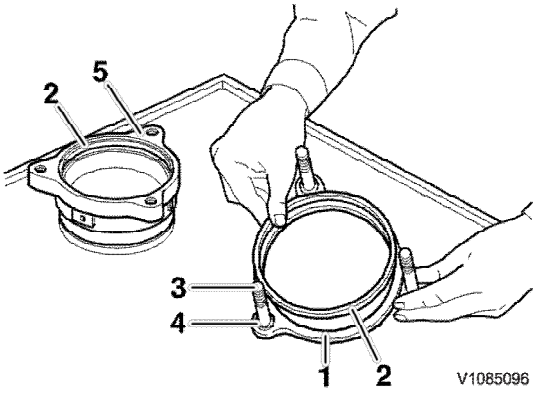

Figure 8

14. Assemble both exhaust pipes.

15. Install the thrust spring, 2 sleeves and 2 nuts on each stud bolt. Measurements according to Fig 8.

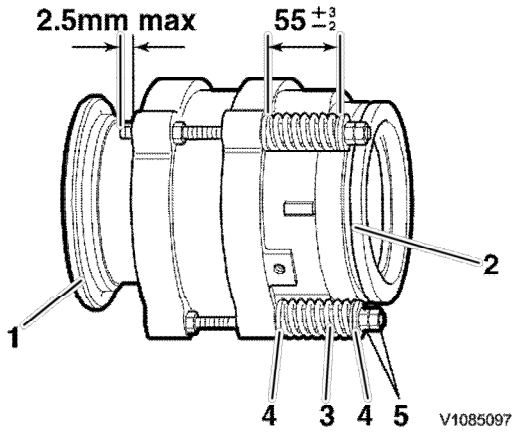

Figure 9

Part no.	Designation	Qty.	Position in Fig. 9
11052630	Exhaust pipe	1	1
4965132	Exhaust pipe	1	2
4940623	Compression spring	3	3
4940622	Sleeve	6	4
971072	Nut	6	5

16. Install the assembled exhaust pipes on the exhaust hose.

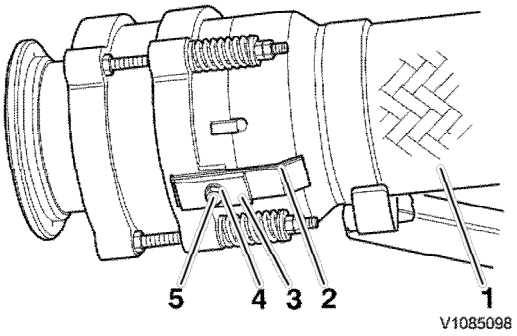

Figure 10

17. Install leaf springs with washers and flange bolts.

Part no.	Designation	Qty.	Position in Fig. 10
11050994	exhaust hose	1	1
4940630	Leaf spring	6	2
4940841	Washer	3	3
946440/984733	Flange bolt	3	5

18. Take out the stay and grease it with installation paste

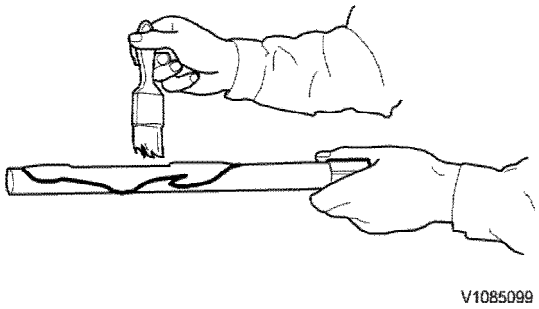

Figure 11

19. Install the stay in the pipe

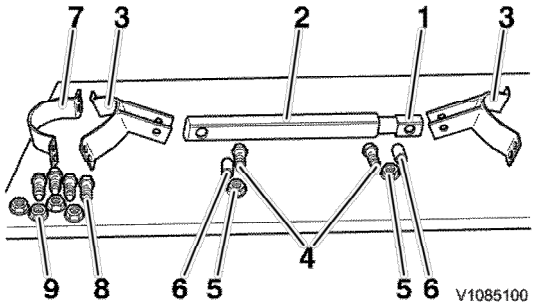

Figure 12

Part no.	Quantity	Designation	Position in Fig. 12
11051057	1	Stay	1
11051058	1	Pipe	2
11056142	1	Clamp	3
965194	2	Flange bolt	4
971099/990952	2	Flange lock nut	5
11051056/60113588	2	Spacer tube	6
11056283	1	Clamp	7
946671/984736	8	Flange bolt	8
948645/990950	8	Flange lock nut	9

20. Install both clamps on the stay and the pipe with flange bolt, flange lock nut, and spacer tube.

21. Install clamp with clamp as well as protective plate around the exhaust hose. Use flange bolt and flange lock nut.

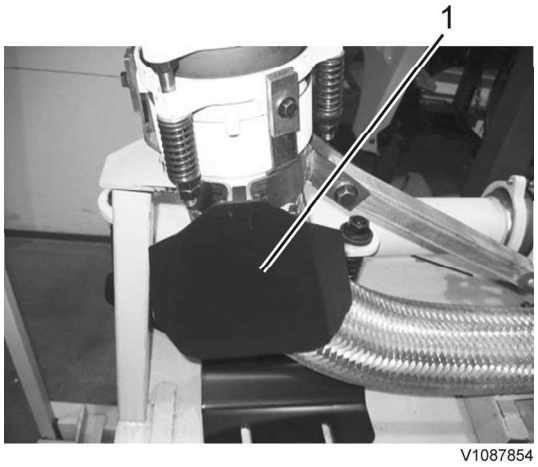

Figure 13

Part no.	Designation	Qty.	Position in Fig. 13
15172179	protective plate	1	1

22. Assemble the other clamp with the exhaust hose's fixed clamp. Use flange bolt and flange lock nut.

23. Install the guide arm with bolts and nuts.

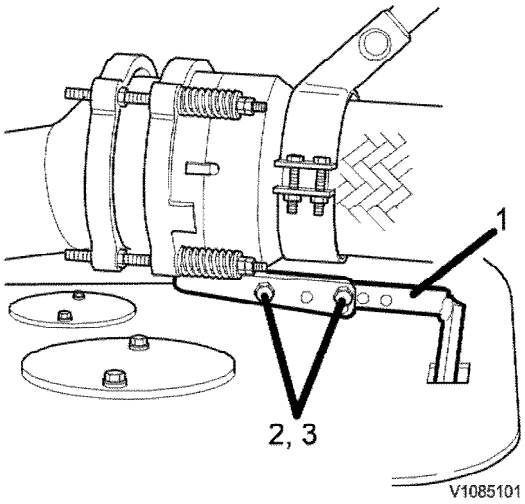

Figure 14

Part no.	Designation	Qty.	Item in Fig. 14
11193212	Guide arm	1	1
13947760/984738	Bolt	2	2
948645/990950	Nut	2	2

24. Install the gasket on the exhaust pipe, and install the exhaust pipe between the load body and exhaust pipe.

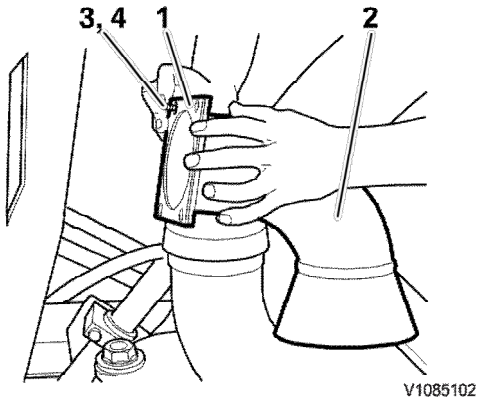

Figure 15

Part no.	Designation	Qty.	Position in Fig. 13
4770880	Gasket	1	1
11192861	Exhaust pipe	1	2
971019	Bolt	4	3
960148	Washer	4	4

25. Adjust the position.

NOTE!
The location of position 1 and position 3 is controlled from position 2.

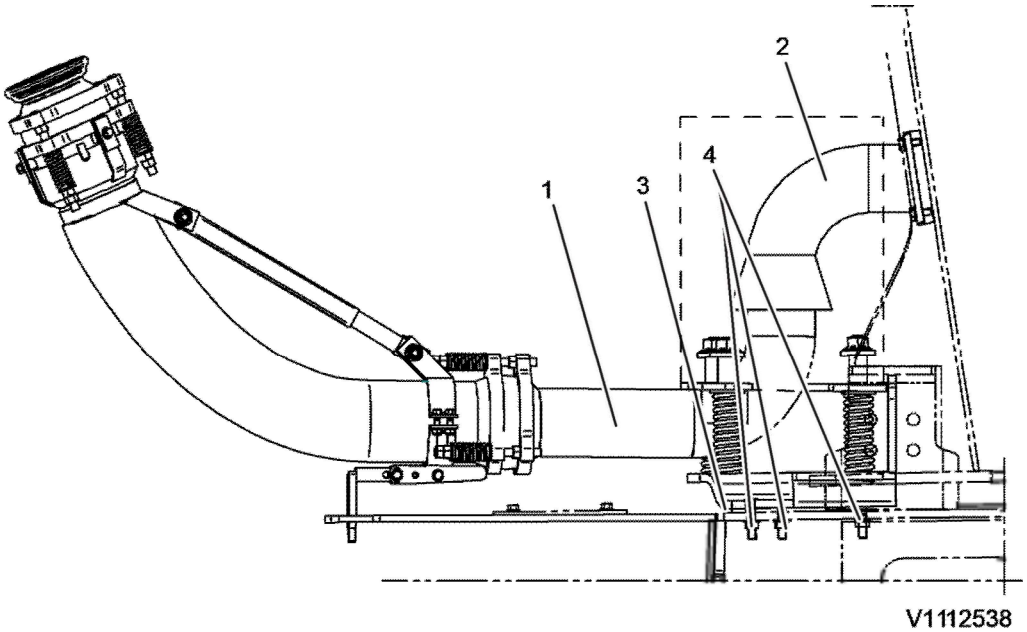

Figure 16
V1085091

26. Tighten the three bolts for the bracket.
    Tighten the nuts for the exhaust pipe/bracket

27. Install the pipe end on the muffler's exhaust pipe. See pos. in Fig. 14

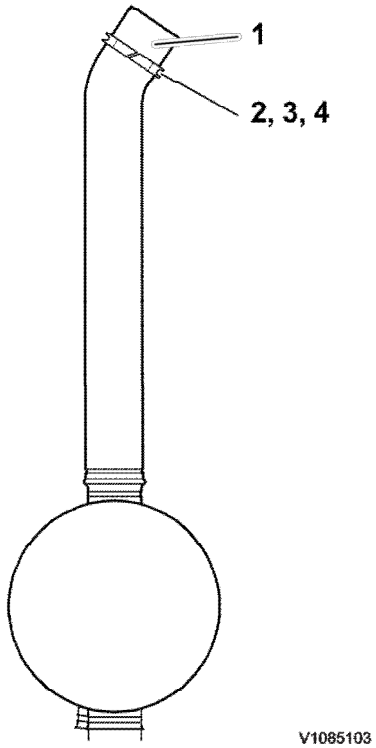

Figure 17

Part no.	Designation	Qty.	Item in Fig. 14
11052194	Pipe end	1	1
1589141	Clamp	1	2
965190	Flange bolt	1	3
971098	Flange nut	1	4

28. Enter equipment number 81332 on the machine card.

INSTALLATION INSTRUCTION

VOLVO CONSTRUCTION EQUIPMENT

Ref. no.	Kit no.	Option no.	Operation no.	Issuer	Date	Page
VOE12A1003740	15020368	81017	360 xx	ART	20070706	1/6

Regarding
A25D, A25E, A30D, A30E, A35D, A35E, A35E FS, A40D, A40E, A40E FS, TD450D

Nödströmbrytare

VARNING!

Läs alla skyltar och anvisningar som finns på maskinen och säkerhetsinstruktionerna i instruktionsboken innan Du börjar arbetet på maskinen.

Monteringsanvisningen är baserad på användning av specialverktyg, E-verktyg och i allmänna handeln tillgängliga standardverktyg samt instruktions- och verkstadshandböcker.
Utrustningen ska monteras av behörig person på auktoriserad verkstad.

Volvo Construction Equipment AB, Customer Support Division frånsäger sig allt ansvar om andra verktyg eller arbetsmetoder än de i anvisningen beskrivna kommer till användning.

Satslista

Art. nr.	Antal	Benämning	Pos. i Fig.
11117759	1	Brytare	
11117765	1	Skydd	
946173	4	Flänsskruv	
948645	4	Flänslåsmutter	
11117760	1	Genomföring	
11117761	1	Mutter	
964115	1	O-ring 19, 2x2,5	
969516	2	Sextandhålskruv	
963103	2	Låsmutter	
11117764	1	Ledningsmatta	
952627	2	Klamma	
946544	3	Flänsskruv	
949278	3	Flänslåsmutter	
4881438	8	Bandklämma 25	

Op. no. 360 xxx

Tools:

Volvo Construction Equipment AB, Customer Support Division
SE-360 42 Braås
Sweden

www.volvo.com

Printed in Sweden

VCADS Pro

Gäller: A35E, A35E FS, A40E, A40E FS

1 Ställ maskinen på ett plant och hårt underlag.

2 Slå ifrån huvudströmställaren.

3 Låt maskinen svalna.

4 Borra hål på skärmen 4 st Ø 10 mm. 2 st Ø 5 mm och 1st Ø 7 mm. Enligt fig 1

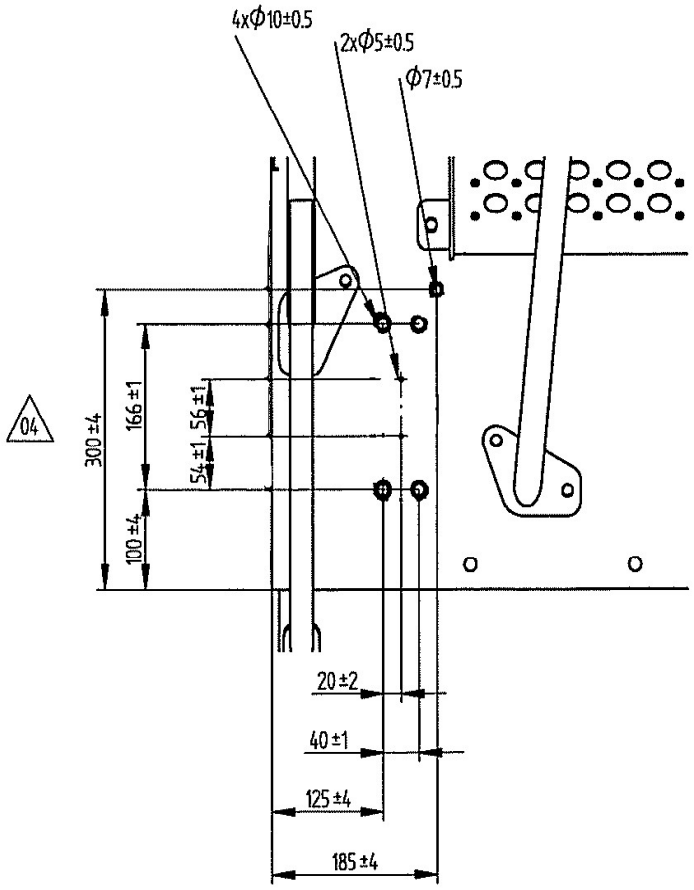

Fig. 1

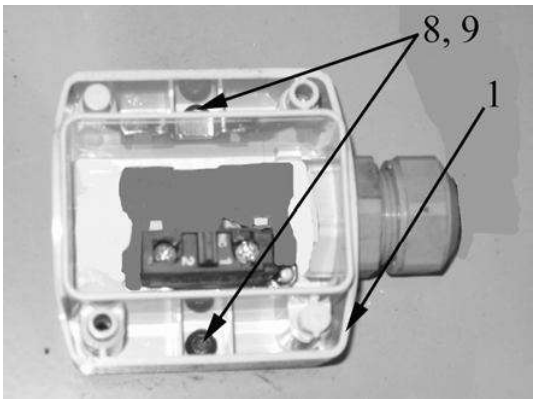

Fig. 2

5 Sätt dit brytaren på skärmen.

Art. nr.	Antal	Benämning	Pos. i Fig. 2
11117759	1	Brytare	1
11117762	2	Sextandhålskruv	8
963103	1	Låsmutter	9

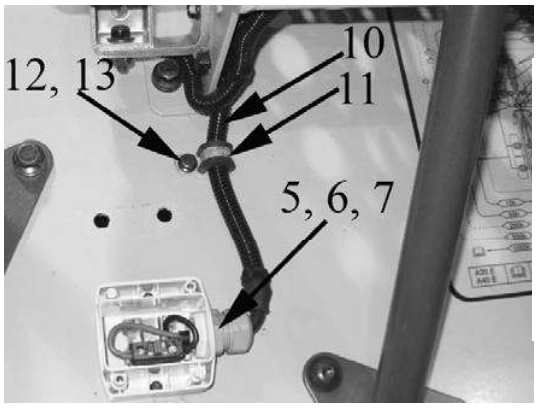

Fig. 3

6 Koppla ledningsmattan till brytaren. Klamma enligt fig 3.
NOTE! Smörj anslutningarna med vaselin.

Art. nr.	Antal	Benämning	Pos. i Fig. 3
11117764	1	Ledningsmatta	10
952627	1	Klamma	11
946544	1	Flänsskruv	12
949278	1	Flänslåsmutter	13
11117760	1	Genomföring	5
11117761	1	Mutter	6
964115	1	O-ring	7

7 Anslut ledningsmattan till kablage CO6 anslutning F11. Klamma enligt fig 4.
NOTE! Ledningsmatta införd på A35D serie nr. 11068 och A40D serie nr. 10062

Art. nr.	Antal	Benämning	Pos. i Fig.
4881438	8	Bandklämma 25	
11117764	1	Ledningsmatta	

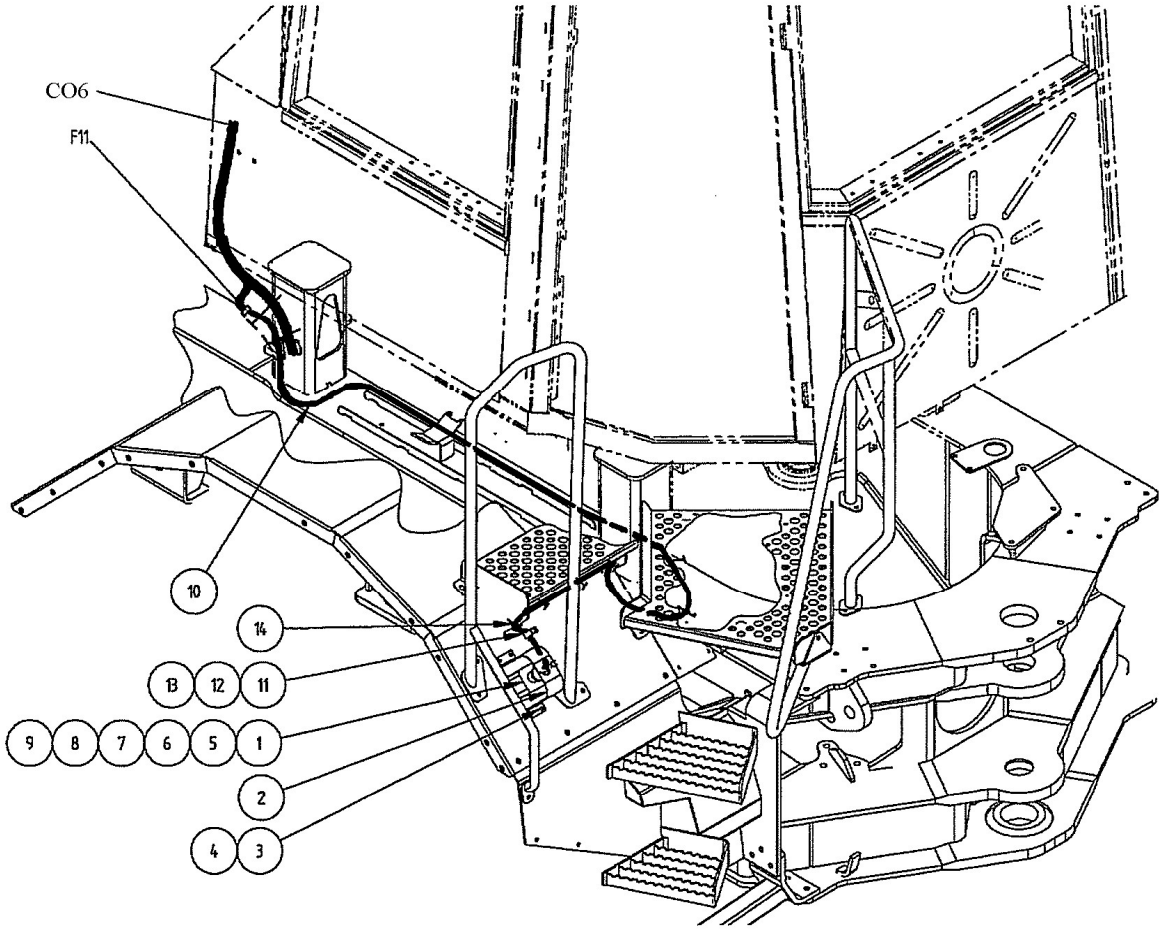

Fig. 4

This is the sample of the manual if you need complete manual

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